

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002424

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F17C3/00 F17C5/00 F17C13/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F17C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/064395 A (LINDE AG ; TRILL ROLF (DE); WOLF JOACHIM (DE)) 22 August 2002 (2002-08-22) cited in the application the whole document	1-12
A	US 6 340 269 B1 (STANTON KELLY ET AL) 22 January 2002 (2002-01-22) the whole document	1
A	US 2003/005709 A1 (EMMER CLAUS D ET AL) 9 January 2003 (2003-01-09) figure 4	1
A	US 4 961 293 A (HOUSE RANDALL ET AL) 9 October 1990 (1990-10-09)	
A	EP 0 005 133 A (SVENSKA VAEG AB) 31 October 1979 (1979-10-31)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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Date of the actual completion of the international search

10 August 2004

Date of mailing of the international search report

17/08/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

national Application No

. J.T/GB2004/002424

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02064395	A	22-08-2002	DE 10107187 A1 WO 02064395 A2 EP 1360084 A2	29-08-2002 22-08-2002 12-11-2003
US 6340269	B1	22-01-2002	CA 2279570 A1 US 2002064425 A1 US 6196761 B1	11-02-2000 30-05-2002 06-03-2001
US 2003005709	A1	09-01-2003	NONE	
US 4961293	A	09-10-1990	AU 4949290 A ES 2038568 A6 WO 9008077 A1 US 5131786 A	13-08-1990 16-07-1993 26-07-1990 21-07-1992
EP 0005133	A	31-10-1979	SE 410960 B EP 0005133 A2 JP 54145015 A SE 7804798 A	19-11-1979 31-10-1979 12-11-1979 27-10-1979